

GEMINI BIO POWDER

REVISION DATE 18.8.17

Supercedes 16.2.17

Revision no : 3



GEMINI BIO POWDER

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name
Supplier

GEMINI BIO POWDER
CLEENOL GROUP LIMITED
Neville House, Beaumont Road, Banbury, Oxon OX16 1RB
Tel: 01295 251721 FAX: 01295 269561
E Mail: sales@cleenol.co.uk

Emergency Telephone

Emergency contact number 01295 251721 (9am to 5pm Monday to Friday excluding bank holidays). Ask for Technical Department quoting the product name. Outside of these hours please contact your doctor or local hospital accident and emergency department or the NHS enquiry service (dial 111) quoting product name and present this MSDS advising them that the product is registered with the National Poisons Information Service.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC) No. 1272/2008

Physical:	Not classified
Health:	Eye Dam. 1 – H318
Environmental	Not classified

2.1 Signal word

Danger

Hazard statement(s)

H318 – Causes serious eye damage

Precautionary statement(s)

P280 – Wear protective gloves/protective clothing/eye protection/face protection
P305+351+338 –IF IN EYES: Rinse continuously with water for several minutes.
Remove contact lenses if present and easy to do – continue rinsing
P310 – Immediately call POISON CENTER or doctor/physician

2.2 Label elements

2.2.1 Label elements
GHS Product Identifier

Hazard pictogram(s) Reach



GHS05

GEMINI BIO POWDER

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Ec No. (EINECS No)	Cas No	(EC 1272/2008)	
SODIUM CARBONATE	207-838-8	497-19-8	Physical: Not classified Health: Eye Irrit 2 – H319 Environmental – Not classified	<20%
SODIUM METASILICATE PENTAHYDRATE	229-912-9	10213-79-3	Physical; Met Corrosive 1- H290 Health; Skin Corr. 1B-H314 Eye Dam; 1 – H318; STOT SE3-H335 Environmental; Not Classified	<5%
SODIUM PERCARBONATE	239-707-6	15630-89-4	Physical; OX. Sol 2-H272 Health; Acute Tox 4-H302; Eye Damage 1- H318 Environmental – Not classified	5-10%
AMYLASE	232-565-6	9000-90-2	Physical; Not classified Health; Resp. Seas.1-H334 Environmental – Not classified	<1%
LIPASE	232-752-2	9001-01-1	Physical; Not classified Health; Resp. Seas.1-H334 Environmental – Not classified	<1%
SUBTILISIN	232-752-2	9014-01-1	Physical; Not classified Health; Skin Irrit. 2-H315; Eye Dam. 1 –H318; Resp. Sens.1- H334; stot se3-H335 Environmental – Not classified	<1%
SODIUM DODECEYL BENZENE SULPHONATE	246-680-4	25155-30-0	Physical: Not classified Health; Acute Tox 4-H302; Eye Damage 1- H318 Skin Irritation2 – H315 Environmental; Not Classified	<3%
PARFUM	N/A	N/A	Physical; Not classified Health; Skin Sens. 1-H317 Environmental; Chronic Cat 2 –H411	0.04%

For the full text for the H- statements mentioned in this section, see Section 16.

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES (SYMPTOMS)

INHALATION	Move exposed person to fresh air. Get medical attention
SKIN CONTACT	Remove contaminated clothing immediately and wash with soap and water. Get medical attention immediately
EYE CONTACT	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses if safe and easy to do so, open eyes wide apart. Get medical attention immediately. Continue to rinse.
INGESTION	Get medical advice immediately! Do Not Induce Vomiting! Immediately rinse mouth and drink plenty of water

GEMINI BIO POWDER

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

GENERAL INFORMATION	Symptoms described are dependent upon the concentration and exposure time
INHALATION	Possible irritation of throat, nose & airway
SKIN CONTACT	Irritation to skin
EYE CONTACT	Possible serious eye damage
INGESTION	Irritation, possible burns to throat mouth and stomach

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED IF NECESSARY

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable Extinguishing Media

The preparation is not readily flammable, use fire-extinguishing media suitable for surrounding materials

5.2 SPECIFIC HAZARD ARISING FROM THE CHEMICAL

When heated in the case of fire, harmful or toxic gases may be produced

5.3 SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS

Self-contained breathing apparatus and full protective clothing must be worn

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS **PROTECTIVE EQUIPMENT AND** **EMERGENCY PROCEDURES**

- The wearing of suitable protective equipment (including personal protective equipment, see section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing.
- Provide sufficient ventilation.
- Follow precautions for safe handling described in section 7 of this SDS.

6.2 ENVIRONMENTAL PRECAUTIONS

Spillages of uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body, without endangering individuals every effort should be made to prevent entrance to drains.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Drains should be Bunded or capped to prevent entrance or damage.
Ventilate well. Brush or vacuum up taking care not to create excessive dust. Place in suitable containers. Dilute area with copious amounts of water.

GEMINI BIO POWDER

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid Spilling, skin and eye contact.

Do Not Smoke In Work Area! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using, do not eat, drink or smoke.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep containers tightly closed. Keep in original containers. Do not allow product to freeze, avoid extreme temperatures

7.3 SPECIFIC END USE(S)

The identified use for this product is detailed in section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Name	STD	Long Term		Notes
Sodium Carbonate	DNELs	10mg/m ³		
Sodium Metasilicate	DNELs	1.55mg/m ³		Inhalation
	WEL	TWA – 8 Hrs	STEL – 15 Min	
SUBTILISIN		0,00004 mg/m ³		

WEL= Workplace Exposure Limit

8.2 APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

RESPIRATORY PROTECTION

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

PVC Gloves are recommended

EYE PROTECTION

Wear approved safety goggles

OTHER PROTECTION

Wear Rubber Apron & Rubber Footwear

GEMINI BIO POWDER

PROTECTIVE EQUIPMENT



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on the basic physical and chemical properties

THIS PRODUCT IS A MIXTURE

APPEARANCE	Granular Powder
ODOUR	Pleasant
COLOUR	White with coloured speckles
SOLUBILITY	Soluble in water
pH	9.5-10
RELATIVE DENSITY	1.1

10. STABILITY AND REACTIVITY

10.1 REACTIVITY None known

10.2 CHEMICAL STABILITY Stable under normal conditions & use

10.3 POSSIBILITY OF HAZARDOUS REACTIONS None known

10.4 CONDITIONS TO AVOID Avoid excessive heat for long periods of time

10.5 INCOMPATIBLE MATERIALS

10.6 HAZARDOUS DECOMPOSITION PRODUCTS When heated toxic and corrosive vapours may be formed

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Toxicological information

We have not carried out any animal testing; therefore we have no toxicological data specifically for this product. The toxicological data, where provided by the raw material manufacture, can be made available on request.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY

We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity data, where provided by the raw material manufacturer for the ingredients with aquatic toxicity can be provided on request

12.2 PERSISTENCE AND DEGRADABILITY

GEMINI BIO POWDER

Degradability: the surfactants used in this preparation are designed for disposal via normal foul water disposal methods

12.3 BIOACCUMULATIVE POTENTIAL

This preparation does not contain any substance that is expected to be bioaccumulating

12.4 MOBILITY IN SOIL

Not known

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

This preparation does not contain and PBT or vPvB substances

12.6 OTHER ADVERSE EFFECTS

Not known

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

The preparation is designed for disposal via foul drain after use. Large volumes to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Clean used container and recycle.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC TO THE SUBSTANCE OR MIXTURE

Guidance notes: Workplace Exposure Limits EH40

EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2013

15.2 CHEMICAL SAFETY ASSESSMENT

Not applicable this product is a mixture

GEMINI BIO POWDER

16. OTHER INFORMATION

Safety Data Sheet No C17

Generated	18.8.17
SDS No.	C17
Notes	This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Hazard statements in full	H272 – May intensify fire H290 – May be corrosive to metals H302 – Harmful if swallowed H314 – Causes severe skin burns and eye damage H315 – Causes skin irritation H318 – Causes serious eye damage H319 – Causes serious eye irritation H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 – May cause respiratory
Supplementary P- Statements	

This product is only to be used for the purpose for which it was intended and in accordance with the specified instructions. This product should never be mixed with other chemical products and should be handled with care and stored carefully out of reach of children.

All Cleenol containers are recyclable and we would be pleased to provide relevant information about individual packs, and recycling agencies.

Information contained in this Safety Data Sheet is accurate to the best knowledge of Cleenol Group Ltd.

Because of our continuing desire to incorporate technical improvements and innovations, and in view of the possibility of the occasional need to substitute certain materials, Cleenol reserve the right to alter specifications without notice.

Unless otherwise stated, it is recommended that this product is used within 12 months of purchase